

## INTERNATIONAL SEARCH REPORT

national Application No  
/IB2004/050329

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H03F1/02 H03F3/217 H03F1/32 H03F1/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 513 094 A (STANLEY GERALD R) 30 April 1996 (1996-04-30) column 2, line 30 - column 6, line 30	1-3, 8-13
A	US 4 115 739 A (HIROTA YUTAKA ET AL) 19 September 1978 (1978-09-19) column 6, lines 35-49; figure 8	2, 3, 8, 9, 11, 13
A	US 5 420 536 A (BRIFFA MARK A ET AL) 30 May 1995 (1995-05-30) column 10, lines 43-56; figure 14 column 11, lines 15-26	1-13
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

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Date of the actual completion of the International search

18 June 2004

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07/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel: (+31-70) 340-2040, Tx: 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Fedi, G

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ZHEREN LAI ET AL: "A low distortion switching audio power amplifier" POWER ELECTRONICS SPECIALISTS CONFERENCE, 1995. PESC '95 RECORD., 26TH ANNUAL IEEE ATLANTA, GA, USA 18-22 JUNE 1995, NEW YORK, NY, USA, IEEE, US, 18 June 1995 (1995-06-18), pages 174-180, XP010150555 ISBN: 0-7803-2730-6 page 176, left-hand column, line 33 – page 178, right-hand column, line 22; figures 3,5	1-13

## INTERNATIONAL SEARCH REPORT

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5513094	A	30-04-1996	AU	683308 B2	06-11-1997
			AU	7876794 A	19-06-1995
			BR	9408193 A	26-08-1997
			CA	2175800 A1	08-06-1995
			CN	1136370 A ,B	20-11-1996
			DE	69409968 D1	04-06-1998
			DE	69409968 T2	29-10-1998
			DK	732004 T3	15-02-1999
			EP	0732004 A1	18-09-1996
			ES	2118442 T3	16-09-1998
			FI	962262 A	15-07-1996
			JP	3486691 B2	13-01-2004
			JP	9505963 T	10-06-1997
			NO	962190 A	02-07-1996
			RU	2155439 C2	27-08-2000
			WO	9515612 A1	08-06-1995
US 4115739	A	19-09-1978	JP	1115268 C	29-09-1982
			JP	52132660 A	07-11-1977
			JP	57006805 B	06-02-1982
			JP	53053946 A	16-05-1978
			JP	56040521 B	21-09-1981
			CA	1094652 A1	27-01-1981
			DE	2718792 A1	03-11-1977
			FR	2349997 A1	25-11-1977
			GB	1576739 A	15-10-1980
			NL	7704516 A ,C	01-11-1977
US 5420536	A	30-05-1995	AU	5781794 A	22-09-1994